

Java Naming and Directory Interface(JNDI)

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1 Task Description

Follow the introduction and instructions of the Java Naming and Directory Interface (JNDI) described in this tutorial <https://docs.oracle.com/javase/tutorial/jndi/TOC.html>.

Setup your own or use an pre-existing naming service and implement following operations:

- Lookup an Object (1)
- List the Context (1)
- Add, Replace or Remove a Binding (2)
- Rename (1)
- Create and Destroy Subcontexts (1)
- Attribute Names (1)
- Read Attributes (1)
- Modify Attributes (1)
- Add, Replace Bindings with Attributes (2)
- Basic Search (1)
- Filters (1)
- Scope (1)
- Result Count (1)
- Time Limit (1)

Create a protocol in which you describe 1) your **installation steps**, 2) **source code snippets** used to perform the naming operations and 3) **result** of each operation. Pack the protocol and sources into a JAR file and upload it here.

Size of Group: 2 persons (if you work without a team member then I will recommend to use the name service of another group)

2 Requirements

2.1 Installation Steps

2.2 Code Snippets for various Naming Operations

2.3 Result of each Operation

2.4 Effort Estimation + Actually Needed Time

3 Functionality

3.1 Installation steps

Thankfully enough the *Java Naming and Directory Interface* is already included in the Java SE Platform. The applets, which will be written in Java are then being used by any Java-compatible Web browser, such as Firefox, Google Chrome, Safari, etc.